

## ABSTRACT

A modular lower coil provides for a head, a vascular and, a thoracic/lumbar element that may interfit or be separated to provide individual imaging of these areas or a combined imaging region stretching from the head to the lower spine. A switch box allows individual ones of these elements to be connected to the MRI machine if necessary because of a limitation of inputs to the machine and provides for decoupling currents to minimize interference between the coil elements when one element is being used.

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